

PIC/D-181-59  
22 December 1959

MEMORANDUM FOR: DFD-DD/P

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ATTENTION: [REDACTED]

SUBJECT: Correlation of Percentage of Targets in  
Relation to Angular Position on Four  
B Missions

1. Attached hereto is a brief report tabulating some 107 targets covered by four B missions broken down as to percentage of targets covered in relation to their angular position.

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2. From this report, and as you would expect, the highest target definition and value for precise photo interpretation occurred where targets were less than [REDACTED] degrees from the vertical position. [REDACTED] of the 107 targets fell into this category. Another [REDACTED] of the targets fell into the category of being [REDACTED] degrees from the vertical position. While resolution did not fall off appreciably in this angular range, the apparent distortion due to obliquity did become a problem which required careful study and photogrammetric handling by photo interpreters.

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3. Only [REDACTED] of the targets were recorded in the [REDACTED] degree angular range but the resolution here was usually less than good due to atmospheric haze.

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4. Beyond an angle of [REDACTED] degrees detailed intelligence was almost completely lacking. The majority of targets in this category were [REDACTED]

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5. The foregoing cannot and should not be confused with some Rand type of operations analysis, but the figures should provide some rough orders of magnitude of the relative photo interpretation utility of the separate belts of angular coverage and might be helpful to operations personnel concerned with navigational performance and meteorological factors in mission planning. Beyond these uses the figures could be helpful in establishing the design parameters of any new photographic systems operating under the present rules and environmental conditions.

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[REDACTED]  
ARTHUR C. LUNDAHL

Director,

Photographic Intelligence Center

1 Attachment

cc: DD/I